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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/757,561	01/09/2001	James A. Munro	03971.P014	1230

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EXAMINER

SANTIAGO, ENRIQUE L

ART UNIT PAPER NUMBER

2671

DATE MAILED: 12/09/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 09/757,561	<b>Applicant(s)</b> MUNRO, JAMES A.	
	<b>Examiner</b> Enrique L. Santiago	<b>Art Unit</b> 2671	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 28 October 2005.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-50 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-50 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |                                                                                                                                   |                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                                                                  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                              | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____                                                |

*27*

## **DETAILED ACTION**

### **Claim Rejections - 35 USC § 102**

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-8, 10-15, 18-23, 25, 27-29, 33-40, 42-46 and 48-50 are rejected under 35 U.S.C. 102(e) as being anticipated by Cronin III et al., U.S. Patent No. 6,182,127 B1.

-Regarding claim 1, Cronin discloses an apparatus comprising a multiple-image viewer to concurrently display multiple independent images within a single window (col. 3, line 65, col. 5, lines 45-54) in a network system (col. 1, line 58), the viewer enabling manipulation of each of the multiple-independent images (col. 4, lines 38-3, col. 5, lines 45-54), at least one of the multiple independent images displayed being a raster graphics file (col. 5, lines 45-54, col. 6, line 52), each of the multiple independent displayed images having a separate and independent data file (col. 1, line 60 and col. 5, lines 45-54).

-Regarding claim 2, Cronin discloses where the manipulation of an image consists of linking to an image (col. 6, line 6).

-Regarding claim 3, Cronin discloses where the viewer comprises a web-based application (col. 1, line 61).

-Regarding claim 4, Cronin discloses where the application is one in a group consisting of an Active-x control (col. 8, line 33).

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-Regarding claim 5, Cronin discloses where the window consists of a browser (col. 1, line 65).

-Regarding claim 6, Cronin discloses where the window is defined by a page description language (HTML col.1, line 64).

-Regarding claim 7, Cronin discloses where the viewer comprises a computer-readable medium containing a program (col. 2, lines 6-8).

-Regarding claim 8, Cronin discloses where the network system is one in a group of a client server system (col. 2, lines 6-14).

-Regarding claim 10, Cronin discloses where the displayed image comprises a multi-resolution capability (col. 3, line 31).

-Regarding claim 11, Cronin discloses where the viewer manipulates the images as a group as well as individually (col. 8, lines 44-4).

-Regarding claim 12, Cronin discloses a module to determine which part of an image will appear in the window and then request that data (col. 4, lines 45-6).

-Regarding claim 13, Cronin discloses a module to calculate geometric coordinates of a portion of the displayed image to appear in the window and then request the block data (col. 4, lines 60-67).

-Regarding claim 14, Cronin discloses a module to display multiple images at different resolutions (col. 3, line 31).

-Regarding claim 15, Cronin discloses where the image has a hierarchical structure (col. 4, lines 50-1).

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-Regarding claim 18, Cronin discloses a module to decode and display images within the window (col. 3, lines 24-26).

-Regarding claim 19, Cronin discloses a module to keep track of data in the window and data stored in cache (col. 4, lines 40-57).

-Regarding claim 20, Cronin discloses a module to scale the displayed image with data stored in a cache until the viewer decodes the data (col. 4, lines 52-57).

-Regarding claim 21, Cronin discloses a module to request data only for the displayed image to appear in the window (col. 7, lines 14-17).

-Regarding claim 22, Cronin discloses a module to request all data pertaining to image, but only to decode a portion of the data to appear (col. 7, lines 14-2).

-Regarding claim 23, Cronin discloses a module to request and decode data corresponding to an actual area of an image, blocks of data surrounding the image (col. 7, line 18), and data for one level of higher resolution (col. 3, lines 66-67).

-Regarding claim 25, the remarks directed to claim 15, above, apply equally to this claim.

-Regarding claim 27, Cronin discloses a predetermined setting to cause a client to request more data for the displayed image (col. 7, lines 21-24).

-Regarding claim 28, Cronin discloses where the predetermined setting is a size of the image (col. 6, line 8).

-Regarding claim 29, Cronin discloses where the predetermined setting comprises a value set at the time of the creation of the web page (col. 7, lines 21-24).

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-Regarding claim 33, Cronin discloses a client having a memory (col. 3, lines 7-1), an image database (or “library”) associated with the server (col. 6, line 5) and the other limitations, which were discussed in the rejection to claim 1 above.

-Regarding claim 34, the remarks directed to claim 15, above, apply equally to this claim.

-Regarding claim 35, the remarks directed to claim 20, above, apply equally to this claim.

-Regarding claim 36, the remarks directed to claim 10, above, apply equally to this claim.

-Regarding claim 37, the remarks directed to claim 11, above, apply equally to this claim.

-Regarding claim 38, the remarks directed to claims 1 and 6, above, apply equally to this claim.

-Regarding claim 39, the remarks directed to claim 15, above, apply equally to this claim.

-Regarding claim 40, the remarks directed to claim 10, above, apply equally to this claim.

-Regarding claim 42, the remarks directed to claim 20, above, apply equally to this claim.

-Regarding claim 43, the remarks directed to claim 30, above, apply equally to this claim.

-Regarding claim 44, the remarks directed to claims 1 and 6, above, apply equally to this claim.

-Regarding claim 45, the remarks directed to claim 15, above, apply equally to this claim.

-Regarding claim 46, the remarks directed to claim 10, above, apply equally to this claim.

-Regarding claim 48, the remarks directed to claim 20, above, apply equally to this claim.

-Regarding claim 49, the remarks directed to claim 30, above, apply equally to this claim.

-Regarding claim 50, the remarks directed to claim 10, above, apply equally to this claim.

**Claim Rejections - 35 USC § 103**

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 9, 16, 24, 26 and 30-32 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cronin III et al., U.S. Patent No. 6,182,127 B1 in view of Knowlton et al., U.S. Patent No. 5,973,692.

-Regarding claim 9, Cronin does not disclose where the image has a folder with a hierarchical structure. Knowlton discloses a directory with a hierarchical structure (col. 19, lines 17-24). At the time the invention was made it would have been obvious to a person of ordinary skill in the art to utilize an image directory with a hierarchical structure. One of ordinary skill in the art would have been motivated to do this to provide an aid to the user to select graphics images (col. 19, line 22).

-Regarding claim 16, the remarks directed to claim 9, above, apply equally to this claim.

-Regarding claim 24, the remarks directed to claim 9, above, apply equally to this claim.

-Regarding claim 26, Knowlton discloses a subfolder ms shown in the remarks to claim 9 above.

-Regarding claim 30, Cronin does not disclose a predetermined setting having a value below which a representation of the object is displayed and above which the object is displayed.

Knowlton discloses a predetermined setting having a value below which a representation of the object is displayed and above which the object is displayed (col. 17, lines 50-57). At the

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time the invention was made it would have been obvious to a person of ordinary skill in the art to have a predetermined setting having a value below which a representation of the object is displayed and above which the object is displayed. One of ordinary skill in the art would have been motivated to do this to save computer resources and provide valuable information to the graphics user.

-Regarding claim 31, Knowlton discloses an image as shown in the remarks to claim 30 above.

-Regarding claim 32, Cronin does not disclose a predetermined setting having a value below which the object is not displayed and above which the object is displayed. Knowlton discloses a predetermined setting having a value below which the object is not displayed and above which the object is displayed (col. 17, lines 50-57). At the time the invention was made it would have been obvious to a person of ordinary skill in the art to have a predetermined setting having a value below which the object is not displayed and above which the object is displayed. One of ordinary skill in the art would have been motivated to do this to save computer resources and provide valuable information to the graphics user.

Claims 17, 41 and 47 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cronin III et al., U.S. Patent No. 6,182,127 B1 in view of Chui, U.S. Patent No. 5,909,518.

Cronin III et al. does not disclose image compression according to a block based integer wavelet transform scheme. Cronin III et al. does disclose image compression (col. 8, line 36). The applicant discloses in paragraph 50 a block-based integer wavelet transform entropy-coding scheme found in Chui (col. 2, line 60). At the time the invention was made it would have been obvious to a person of ordinary skill in the art to utilize a block-based integer wavelet transform



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entropy-coding scheme for compression. One of ordinary skill in the art would have been motivated to do this because wavelet transform is a standard data compression scheme and the type of compression scheme used would not affect the nature of the invention.

-Regarding claim 41, the remarks directed to claim 17, above, apply equally to this claim.

-Regarding claim 47, the remarks directed to claim 17, above, apply equally to this claim.

### **Response to Arguments**

Applicant's arguments have been fully considered but they are not persuasive.

-Regarding the applicants' argument that the images being displayed in Croning are not independent images, but rather components of the same image that was separated into tiles, it is the examiners view that that even in the case that the images would be components of the same image, each component is inherently different and distinct from each other, because each one would show a different part of the image and could be displayed independently (after being tiled). Therefore Croning does teach the claimed multiple independent images having a separate and independent data file (see col. 5, lines 45-54). The rejection of the claims is affirmed.

### **Conclusion**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Enrique L Santiago whose telephone number is (571) 272-7648. The examiner can normally be reached on Monday to Friday from 7:00 A.M. to 3:30 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ulka Chauhan whose telephone number is (571) 272-7782, can be reached on Monday to Friday from 7:00 A.M. to 3:30 P.M.

Any response to this action should be mailed to:

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Enrique L. Santiago

November 30, 2005

  
ULKA CHAUHAN  
SUPERVISORY PATENT EXAMINER